

**AMENDMENTS TO THE CLAIMS**

**1. (Currently amended)** A method for evaluating the biological activity of a specific binding substance on living cells by means of a surface plasmon resonance analyzer, which comprises:

immobilizing the living cells on a surface plasmon resonance analyzer;  
applying a flow of the specific binding substance to the living cells;  
continuously measuring a primary signal, which appears upon application of the flow, and  
measuring a secondary signal, which appears after elimination of the flow; and  
evaluating the biological activity of the specific binding substance on the cells by  
indication of the secondary signal, which comprises a further increase or periodical change from  
~~a baseline~~the signal level measured ~~from~~at the end of the primary signal.

**2. (Canceled)**